

**Notice of Allowability**

Application No.

09/874,817

Examiner

Srirama Channavajjala

Applicant(s)

ROLLER ET AL.

Art Unit

2164

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to 11/16/04.
2. ☐ The allowed claim(s) is/are 1-3.
3. ☒ The drawings filed on 05 June 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**DETAILED ACTION**

1. Examiner acknowledges applicant's amendment filed on 11/16/2004.

***Drawings***

2. The drawings filed on 6/5/2001 is acceptable for examination purpose only, however, formal drawings are required in response to this office action.

***Priority***

3. Applicant's claim for domestic priority under 35 U.S.C. 119(e) is acknowledged based on provisional application serial number: 60/209,494 filed on June 06, 2000.

**EXAMINER'S AMENDMENT**

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Pursuant to MPEP 606.01 the Title is changed to read:

**-- DATAMART INCLUDING ROUTINES FOR EXTRACTION, ACCESSING,  
ANALYSING, TRANSFORMATION OF DATA INTO STANDARDIZED FORMAT  
MODELED ON STAR SCHEMA --**

***Allowable Subject Matter***

**Reasons for indicating allowable subject matter**

The present application has been thoroughly reviewed, upon searching a variety of databases, the examiner submits that Claims 1-3 are allowable in light of the applicant's arguments at page 1-7, and in light of the prior art made of record.

The present invention is directed to a data extraction from various sources, analyzing data, more specifically computer implemented data processing that including configuration of each data records in databases, transform routine communicatively coupled with the extractor routine, transform routine receives data extracted by the extractor routine, central database storing the data in a star schema [see Abstract, page 2-3].

The closest prior art Jagadish et al. US Patent No. 5987108 is directed to telephone billing with customer defined budgeting, more specifically user telephone usage, billing information is processed, further users of telephone information is shared across multiple business units for providing integrated services that including update user profile, databases and like [see Abstract, fig 1a-1b].

Rassen et al. US Patent No. 6189004 is directed to creating databases, query structure for large databases, more specifically automatically defining query interface for

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data mart, the data mart includes fact, dimensional tables for organizing data according to schema, typically standard star schema [see Abstract, fig 1,fig 3].

However, Jagadish et al., Rassen et al., either singularly or in combination, fail to anticipate or render obvious the recited feature "*an extractor routine communicatively coupled with each said contact records databases, said extractor routine extracts data concerning each event involving a customer communication from each of said contact records databases*" in claim 1, "*extracting from each of the communication contact system all data complying with the specifications*" in claim 3. These features together with the other limitations of the independent claims are novel and non-obvious over the prior art of record. The dependent claim 2 being definite, enabled by the specifications, and further limiting to the independent claim, are also allowable.

The newly cited art [pub. date: 20 July 2000] by Harmony Software, Inc. is directed to processing business information generated by multiple enterprises, more specifically, business information is associated with the first, second enterprise based upon a set of standardized categories used in the data warehouse, further rules are used to extract a portion of the business information from the data warehouse and store in the data mart [see Abstract, page 2,fig 7].

The newly cited art [pub.date:12 Nov.1998] by Sankaran, Mohan et al. is directed to updating target tables of data mart in response to changes made by a transaction to

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data stored in a source table of an operational database. Each source table contained within the operational database has a corresponding dynamic, static image table, which are stored as part of a change capture database [see Abstract, page 4, fig 2].

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

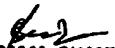
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Srirama Channavajjala whose telephone number is 571-272-4108. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popvici, can be reached on 571-272-4083. The fax phone numbers for the organization where the application or proceeding is assigned is 703/872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

SC  
*Patent Examiner.*  
February 7, 2005

  
SRIRAMA CHANNAVAJJALA  
PRIMARY EXAMINER